

# EPA ID#: 0511 System Name: Kingbrook II Rural Water System

Sampler- Mr Brian Callies Work Phone-(605)983-5074  
 Title- Plant Manager  
 Address- PO Box 299 302 E Ash  
 Arlington SD 57212

Location- City: Desmet County: Kingsbury  
 Service Area- Other residential areas  
 PWS Owner Type- Private Ownership  
 Water Supply Type- Groundwater Supply

Population Served- 2,898 Service Connections- 1,600

## Sources for Kingbrook II Rural Water System

Source	Name	Year Built	Depth (feet)	Diameter (inches)	Availability	Type	Vulnerability	Treatment
01	#1	1976	30	12	Permanent	Groundwater	Vulnerable	Treatment At Plant
02	#2	1976	30	12	Permanent	Groundwater	Vulnerable	Treatment At Plant
03	#3	1980	30	12	Permanent	Groundwater	Vulnerable	Treatment At Plant
04	#4	1981	65	12	Permanent	Groundwater	Vulnerable	Treatment At Plant
05	DESMET TREATMENT PLANT				Permanent	Treatment Plant	Non-Vulnerable	Aeration Coagulation, Softening - KMnO4 Disinfection - Gas Chlorine Filtration - Green Sand Corrosion Control - Sedimentation Fluoridation - H2SiF6
06	#5	1976	64	12	Permanent	Groundwater	Vulnerable	Treatment At Plant
07	#6	1992	42	12	Permanent	Groundwater	Vulnerable	Treatment At Plant
08	#7	1997	110	12		Groundwater	Non-Vulnerable	Treatment At Plant
09	#8	1999	104	12	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant
16	#9	2006	108	12	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant
17	#10	2014	110	12	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant
18	#7-NEW	2008	110	12	Permanent	Groundwater	Non-Vulnerable	Treatment At Plant

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## Common Ion Data

(All chemical data are reported in milligrams per liter (mg/l) except pH and Langlier Index)

Please refer to Private Well Data for more information about these test results.

Source	Type	Date	TDS	Conductance	pH	Alk-M	Alk-P	Na	K	Ca	Mg	Fe	Mn	Cl	SO4	HCO3	CO3	Hardness	Langlier	NO3	F
05	Raw	05/24/95	637	872	7.28	227	0	17	5.5	112.3	40.0	0.92	0.51	17.0	216	277	0	445	+0.11	0.1	0.19

Source	Type	Date	TDS	Conductance	pH	Alk-M	Alk-P	Na	K	Ca	Mg	Fe	Mn	Cl	SO4	HCO3	CO3	Hardness	Langlier	NO3	F
05	Treated	05/24/95	0	0	0.00	0	0	0	0.0	0.0	0.0	0.08	0.02	0.0	0	0	0	0	-0.00	0.0	0.00
05	Treated	04/07/98	739	1050	7.60	287	0	17	6.3	140.0	48.3	0.06	0.02	10.0	288	350	0	548	+0.61	0.2	1.16
05	Treated	03/22/01	731	954	7.66	272	0	21	6.4	133.0	44.3	0.02	0.02	8.0	292	332	0	514	+0.62	0.2	1.23
05	Treated	03/30/04	732	979	7.71	274	0	18	6.2	132.0	46.7	0.03	0.02	13.0	293	334	0	522	+0.67	0.1	1.40
05	Treated	05/30/07	870	1180	7.49	312	0	29	8.7	160.0	53.7	0.29	0.11	9.0	396	381	0	620	+0.57	0.1	1.37
05	Treated	04/08/10	795	1110	7.86	311	0	21	7.0	158.0	55.2	0.05	0.04	13.0	314	379	0	622	+0.95	0.2	1.01
11	Treated	05/21/13	807	1100	7.68	296	0	24	6.8	153.0	57.6	0.10	0.08	15.0	343	361	0	619	+0.73	0.2	1.18
05	Treated	06/16/16	838	1150	7.67	301	0	28	7.6	155.0	57.2	0.16	0.00	13.0	353	367	0	622	+0.73	0.0	0.76
Averages			689	940	6.71	257	0	20	6.1	128.9	45.4	0.10	0.04	10.1	285	313	0	508		0.1	1.01